

## Top links

### [The top 10 reasons to come to Dayton](#)

AMSAT gives 10 good reasons to make the trip to this year's hamfest in Dayton, Ohio. (If you're at all interested in amateur radio and space, you'll like this list.)

[AMSAT](#)

### [New HAARP-like ionospheric research project](#)

Penn State is building a facility at Arecibo Observatory that will study the interaction between HF radio energy and ionospheric plasma.

[ARRL](#)

### [Podcast: Linux in the Ham Shack](#)

Linux in the Ham Shack is a fun podcast centered around Linux and ham radio. Promoting FOSS (free and open-source software), Linux in the Ham Shack is a state of mind and a phenomenon!

[Linux in the Ham Shack](#)

### [PongSat 2: Ham sends student-built ping-pong sats to the edge of space](#)

W6JPA is running a Kickstarter campaign to send 2000 ping-pong based satellites toward space and back again. The ping-pong balls are later recovered and returned to the students.

[Kickstarter](#)

### [The Basement Satellite](#)

A documentary follows DS1SBO's attempt at building a do-it-yourself satellite project funded by selling 10,000 t-shirts.

[AMSAT-UK](#)

### [WKBN TV reports on amateur radio on World Amateur Radio Day](#)

Featuring the Western Reserve Amateur Radio Club from Ohio, WKBN highlights their activity on World Amateur Radio Day and the valuable resource amateur radio provides when disasters hit.

[Southgate](#)

### [A weekend SOTA expedition](#)

AD5A has a short write-up about his weekend SOTA (Summits on the Air) trip to New Mexico where he

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was able to activate 6 summits.

[AD5A](#)

### **FCC proposes unlicensed spectrum at 5 Ghz**

The new allocation would be available for "high data rate mobile and fixed communications for individuals, businesses, and institutions."

[ARRL](#)

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## **How-to**

### **Build a 144 or 432MHz mixed mode helix antenna**

G8JNJ describes how to build omni-directional helix antennas suited for satellite and high-altitude balloon reception.

[G8JNJ](#)

### **The \$4.00 satellite ham radio antenna**

KG0ZZ walks us through building a single coax cable fed dual band 2m/70cm yagi antenna made with common materials.

[KG0ZZ](#)

### **Back to basics: Ham radio call signs**

*Enjoy Ham Radio* describes what makes up a call sign.

[Enjoy Ham Radio](#)

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## **Video**

### **Overview and demonstration of RTL-SDR**

KD8RTT gave a 10 minute video introducing software defined radios well as a demonstration of the \$20 RTL-SDR dongle.

[KD8RTT](#)

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## **And finally...**

### **The Reddit HF Net**



Reddit + HF + IRC = ?

[Reddit](#)

Hand curated by KK4HSX. Thank you for reading! 73!

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